Category		Unit	Specification
Major	Minor		
Classification	Chassis	-	K5
Current	Current(MAX)	A	0.6
Cooling Operation Range(Leaving Water)	For Fan Coil Unit(Min ~ Max)	°C	5 ~ 27
	For under floor(Min ~ Max)	°C	16 ~ 27
Heating Operation Range(Leaving Water)	Space Heating(Min ~ Max)	°C	15 ~ 55
	Domestic Hot Water(Min ~ Max)	°C	15 ~ 80*
Water Pump	Type	-	Canned type for hot water circulation
	Model (Maker,Name)	-	GRUNDFOS(UPM3K 20-75 CHBL)
	Motor type	-	BLDC
	Steps of Pumping Performance	-	10~ 100%(19 Steps)
	Power input(Min~Max)	W	3 ~ 60
	Max. Head	m	7.5
Expansion Tank	Volume(Max)	ℓ	8
	Water Pressure(Max)	bar	3
	Water Pressure(Pre-charged)	bar	1
Strainer	Mesh size	mesh	30
	Max. particle size	mm	0.6
	Material	-	STS304
Safety Valve (Water cycle)	Pressure Limit(Upper Limit)	bar	3
Safety Valve (DHW)	Pressure Limit(Upper Limit)	bar	10
3 Way Valve	Model (Maker,Name)	-	Sanhua QSF-A02M20
	Motor Type	-	2-2 Step motor(DC 12V)
	Flow coefficient	Kvs	12
Flow Sensor	Type	-	Vortex
	Model (Maker,Name)	-	SIKA VVX20
	Measuring Range (Min~Max)	ℓ/min	5 ~ 80
Water Pressure Sensor	Model (Maker,Name)	-	Sensata OFM (2HMP)
	Measuring Range (Min~Max)	bar(G)	0 ~ 20
DHW Tank	Type	-	Internal coil type integrated hot water tank
	Water Volume	L	200
	Material	-	Duplex 2205
	Internal Thermal Protect limit	℃	85
	Pressure Limit (Max.)	MPa (bar)	0.1 (10)
DHW Tank Insulation	Material	-	Polyurethane foam
	Thickness	mm	50
Electric Backup Heater	Type	-	Sheath
	Power Supply	V, Φ, Hz	220-240, 1, 50
	Number of Heating Coil	EA	2
	Capacity Combination	kW	3
	Rated Current	A	13.0
	Maximum Electrical Power	kW	3
	Power Supply Cable(H07RN-F)	mm² × cores	2.5 x 3C
Heat Exchanger (Water/DHW)	Type	-	Coil Heat Exchanger
	Quantity	EA	1
	Surface area	m²	1.81
Heat Exchanger(Refrigerant to Water)	Type	-	Brazed Plate HEX(SWEP, QD20H)
	Quantity	EA	1
	Number of Plate	Sheet	52
Refrigerant Piping Connection	Liquid	mm(inch)	Φ6.35 (1/4)**
	Gas	mm(inch)	Φ12.7 (1/2)**

Category		Unit	Specification
Major	**Minor**		
Refrigerant Piping Connection	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Water Connecting Pipes	Inlet	inch	FemaleG1" according to ISO228-1(parallel pipe threads)
	Outlet	inch	FemaleG1" according to ISO228-1(parallel pipe threads)
DHW Conneting Pipes	Inlet	inch	FemaleG1" according to ISO228-1(parallel pipe threads)
	Outlet	inch	FemaleG1" according to ISO228-1(parallel pipe threads)
	Re-circulation	inch	FemaleG1" according to ISO228-1(parallel pipe threads)
Sound Power Level	Heating(Rated)	dB(A)	42.0
Dimensions	Net(W x H x D)	mm	600 x 1,750 x 660
	Shipping(W x H x D)	mm	660 x 2,009 x 750
Weight	Net	kg	118.0
	Shipping	kg	137.0
Exterior	Color	-	Noble White
	RAL Code	-	RAL 9016
Connecting Cable	Power and Communication cable(H07RN-F)	mm² × cores	0.75 x 4C